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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/764,771

01/26/2004

Marcus F. Fontoura

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06/30/2006

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EXAMINER

ALI, MOHAMMAD

ART UNIT

PAPER NUMBER

2166

DATE MAILED: 06/30/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/764,771

Applicant(s)

FONTOURA ET AL

Examiner

Mohammad Ali

Art Unit

2166

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 January 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-36 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-36 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>9/05, 4/04</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This communication is in response to the application filed on 1/26/04.

The application has been examined and claims 1-36 are pending in this office action.

Specification

2. Minor informalities: in paragraph 0033 application number is missing. Appropriate correction is required.

Claim Rejections - 35 USC § 101

3. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 1-36 are directed to non-statutory subject matter because it does not produce a tangible result. It's not until the selecting is brought out of the mind or processor that it becomes more than an abstraction, instead being real-world and enabling the functionality to be realized.

Also, claims 13-24 are directed to non-statutory subject matter. Computer program is used in a computerized process where the computer executes the instructions set forth in the computer program. Claimed invention taken as a whole is directed to a mere program listing, i.e., to only its description or expression, is it descriptive material per se and hence nonstatutory.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

5. Claims 1-36 are rejected under 35 U.S.C. 102(a) as being anticipated by Lim et al. ('Lim' hereinafter), "Dynamic Maintenance of Web Indexes Using Landmarks".

With respect to claim 1,

Lim teaches a method for handling redirects in documents (see section 1),
comprising:

forming at least one equivalence class that includes documents that are
connected through a redirect (see section 2.1, Forward Index Update, Lim);

detecting cycles for each equivalence class, wherein documents in a cycle are
marked so that they are not indexed (see section 2.4, Approximate nearness queries,
Lim);

detecting incomplete chains for each equivalence class, wherein documents in
an incomplete chain are marked so that they are not indexed (see section 4,
Experimental Evaluation, Lim); and

selecting a representative for each equivalence class (see section 4, Landmark
Policy and Block Size, Lim) .

As to claim 2,

Lim teaches wherein the representative is selected based on a type of redirect in an equivalence class (see section 4, Landmark Policy and Block Size, Lim).

As to claim 3,

Lim teaches wherein the representative is selected based on a rank of each document in the equivalence class (see section 2.4, Phrase queries, Lim).

As to claim 4,

Lim teaches locating each document that contains a redirect (see section 1, Lim); and creating an entry in a redirect file for each document (see section 1, Lim).

As to claim 5,

Lim teaches wherein the entry includes a source path, a target path, and a redirect type (see section 2.2, Update Procedure Using Landmarks, Lim).

As to claim 6,

Lim teaches detecting duplicate documents in two different equivalence classes (see section 2.2, Landmarks, Lim); and merging the equivalence classes (see section 1, Lim).

As to claim 7,

Lim teaches wherein documents are duplicates if a certain portion of their content is similar (see section 2.1, Forward Index Update, Lim).

As to claim 8,

Lim teaches wherein the documents in the at least one equivalence class include a target document and one or more source documents and wherein the selected

representative is one of the source documents, further comprising: propagating the content of the target document to the selected representative (see section 1, Lim).

As to claim 9,

Lim teaches wherein the documents in the at least one equivalence class include a target document and one or more source documents, and wherein at least one source document includes a path to the target document (see section 2.2, Fig. 4, Lim).

As to claim 10,

Lim teaches indexing the content of the target document with a path of the representative (see Fig. 4, Lim).

As to claim 11,

Lim teaches wherein marking documents so that they are not indexed includes marking documents to indicate the documents are to be ignored (see section 1, Lim).

As to claim 12,

Lim teaches determining a rank for each of the documents, wherein the rank represents an importance of each document relative to the other documents (see section 2.4, Lim).

Claims 13-36 have the same subject matter as of claims 1-12 and essentially rejected for the same reasons as discussed above.

Conclusion


6. Reed et al. (USP, 5,862,325) teaches claimed invention including redirecting and equivalence class,.....

Contact Information

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mohammad Ali whose telephone number is (571) 272-4105. The examiner can normally be reached on Monday-Thursday (7:30 am-6:00 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain T. Alam can be reached on (571) 272-3978. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


Mohammad Ali
Primary Examiner
Art Unit 2166

MA
June 24, 2006